

Drum Point FM Repl. - Timeline regarding 04/17 SSO

February 7 - Contractor completed HDD from SPS to Mann Rd. They must have hit the gravity line on this date, although no one was aware.

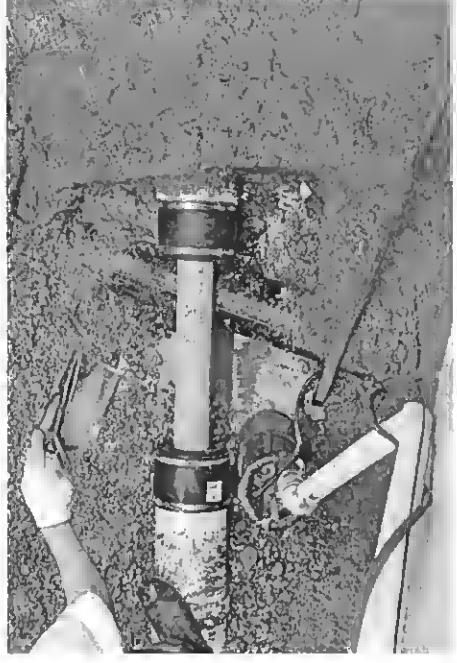
March 20 - PM notified of a sinkhole on Mann Rd.

March 21 - Sinkhole was filled, it was in the same location as a test pit. No one opened the MH to check flow.

April 17 - PM notified of a spill at MH 11218. The County removed a significant amount of stone from MH 11231 to restore service.

April 24 - The County CCTVed the gravity line in Mann Road and identified stone in the main. Inspector mistook the new FM as a piece of drill bit.

April 25 - Contractor excavated and verified the new FM had been drilled through the gravity line. Contractor installed a temporary repair the same day and has been checking the upstream MH 2x/day.





Charles Bostek <pwbst22@aacounty.org>

Fwd: Drum point manns road sewer repair

1 message

Charles Bostek <pwbst22@aacounty.org>

Wed, Jul 17, 2019 at 7:47 AM

To: David Watts <pwatt32@aacounty.org>, Larry Parsons <pwpars22@aacounty.org>

FYI

Chuck Bostek
Project Manager
Bureau of Engineering
410-224-1269

----- Forwarded message -----

From: **Ryan Nehus** <rnehus@reliablecontracting.com>

Date: Wed, Jul 17, 2019 at 7:46 AM

Subject: Drum point manns road sewer repair

To: Charles Bostek <pwbst22@aacounty.org>

Cc: Thomasson, Richard <Richard.Thomasson@arcadis.com>, Talerico, Paul <Paul.Talerico@arcadis.com>, Mike Sturdevant <Msturdevant@reliablecontracting.com>, Jeff Bennett <JBennett@reliablecontracting.com>

Hey Chuck,

I was just informed that we are looking at Monday 7/22/19 to start the work of the sewer repair at manns road.

Thank you,

Ryan Nehus*Project Manager*

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

C 410-202-1212**P** 410-987-0313**F** 410-721-7700www.reliablecontracting.com



Charles Bostek <pwbst22@aacounty.org>

Re: Drum point-manns road gravity sewer repair proposal and revised sketch

1 message

Charles Bostek <pwbst22@aacounty.org>
To: David Watts <pw Watt32@aacounty.org>
Cc: Larry Parsons <pw pars22@aacounty.org>

Mon, Jul 15, 2019 at 9:50 AM

FYI - the new MH for Drum Point is supposed to be delivered next week.

Chuck Bostek
Project Manager
Bureau of Engineering
410-224-1269

On Wed, Jul 10, 2019 at 10:31 AM Charles Bostek <pwbst22@aacounty.org> wrote:
Let me follow up with Reliable.

On Wed, Jul 10, 2019, 10:30 AM David Watts <pw Watt32@aacounty.org> wrote:
Looks ok to me. When will the installation be completed?

David Watts

Utility Administrator Bureau of Utility Operations, Anne Arundel County, DPW

Phone (410) 222-8451

Cell (443) 336-8099

On Wed, Jul 10, 2019 at 8:08 AM Charles Bostek <pwbst22@aacounty.org> wrote:
Fyi

----- Forwarded message -----

From: **Charles Bostek** <pwbst22@aacounty.org>
Date: Mon, Jul 1, 2019, 11:53 AM
Subject: Fwd: Drum point-manns road gravity sewer repair proposal and revised sketch
To: <Eric.Schroeder@obg.com>

Eric,

Please take a look at the attached. I think they may have it right now.

Thanks,
Chuck Bostek
Project Manager
Bureau of Engineering
410-224-1269

----- Forwarded message -----

From: **Ryan Nehus** <rnehus@reliablecontracting.com>
Date: Mon, Jul 1, 2019 at 10:37 AM
Subject: RE: Drum point-manns road gravity sewer repair proposal and revised sketch
To: Charles Bostek <pwbst22@aacounty.org>
Cc: David Watts <pw Watt32@aacounty.org>, Thomasson, Richard <Richard.Thomasson@arcadis.com>

Chuck,

Please see attached for the new revised with a less than 2' drop. Please let me know if this is good to go and if we can start getting everything together.

Thanks,

Ryan Nehus

Project Manager

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

C 410-202-1212

P 410-987-0313

F 410-721-7700

www.reliablecontracting.com

From: Charles Bostek [<mailto:pwbost22@aacounty.org>]

Sent: Thursday, June 27, 2019 1:40 PM

To: Ryan Nehus <rnehus@reliablecontracting.com>

Cc: David Watts <pwwatt32@aacounty.org>; Thomasson, Richard <Richard.Thomasson@arcadis.com>

Subject: Re: Drum point-manns road gravity sewer repair proposal and revised sketch

Ryan,

The minimum distance for a drop is 2-feet. It needs to be less than 2', if you don't want to install a drop connection.

Chuck Bostek

Project Manager

Bureau of Engineering

410-224-1269

On Thu, Jun 27, 2019 at 1:33 PM Ryan Nehus <rnehus@reliablecontracting.com> wrote:

Chuck,

What is the minimum?

We will get it to the minimum so that we don't have to move back or change the manhole and it will still have the clearance in the middle.

Thanks,

Ryan Nehus

Project Manager

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

C 410-202-1212

P 410-987-0313

F 410-721-7700

www.reliablecontracting.com

From: Charles Bostek [<mailto:pwbost22@aaacounty.org>]

Sent: Wednesday, June 26, 2019 12:47 PM

To: Ryan Nehus <rnehus@reliablecontracting.com>

Cc: David Watts <pw Watt32@aaacounty.org>; Thomasson, Richard <Richard.Thomasson@arcadis.com>

Subject: Fwd: Drum point-manns road gravity sewer repair proposal and revised sketch

Ryan,

Please see below. Probably need to move it back some.

Thanks,

Chuck

----- Forwarded message -----

From: **Eric Schroeder** <Eric.Schroeder@ramboll.com>

Date: Wed, Jun 26, 2019, 12:34 PM

Subject: RE: Drum point-manns road gravity sewer repair proposal and revised sketch

To: Charles Bostek <pwbst22@aacounty.org>, Eric.Schroeder@obg.com <Eric.Schroeder@obg.com>, David Watts <pw Watt32@aacounty.org>, Thomasson, Richard <Richard.Thomasson@arcadis.com>

Chuck,

Since the proposed new MH at station 0+14 now has a drop of just over 2 feet, it should be a Type "A" Drop Manhole, Standard Detail S-13. Otherwise looks good to me.

Eric J. Schroeder, PE

Project Manager

D 443-541-1311

M 202-431-5015

eric.schroeder@ramboll.com

From: Charles Bostek [<mailto:pwbst22@aacounty.org>]

Sent: Wednesday, June 26, 2019 8:37 AM

To: Eric.Schroeder@obg.com; David Watts <pw Watt32@aacounty.org>; Thomasson, Richard <Richard.Thomasson@arcadis.com>

Subject: Fwd: Drum point-manns road gravity sewer repair proposal and revised sketch

Eric/Dave,

Please see attached sketch with revised elevations that result in additional clearance between the FM and new gravity and let me know what you think.

Richard, can you check their proposal? I noticed they have \$14.5K for the new MH at Owings Beach.

Dave, any idea what the cost of the County's response might be?

Thanks,

Chuck Bostek

Project Manager

Bureau of Engineering

410-224-1269

----- Forwarded message -----

From: **Ryan Nehus** <rnehus@reliablecontracting.com>

Date: Fri, Jun 21, 2019 at 10:20 AM

Subject: Drum point-manns road gravity sewer repair proposal and revised sketch

To: Charles Bostek <cbostek@aacounty.org>

Cc: Thomasson, Richard <Richard.Thomasson@arcadis.com>

Chuck,

Per our phone call here is the revised sketch and the proposal.

Please let me know if you have any questions.

We are planning to have two crews down at owings beach to finish this job out and then hop over to do the repairs for drum point if all is accepted.

Thank you,

Ryan Nehus

Project Manager

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

C 410-202-1212

P 410-987-0313

F 410-721-7700

www.reliablecontracting.com



Charles Bostek <pwbst22@aacounty.org>

Re: Drum point-manns road gravity sewer repair proposal and revised sketch

1 message

Charles Bostek <pwbst22@aacounty.org>
To: David Watts <pwwatt32@aacounty.org>
Cc: Larry Parsons <pwpars22@aacounty.org>

Wed, Jul 10, 2019 at 10:31 AM

Let me follow up with Reliable.

On Wed, Jul 10, 2019, 10:30 AM David Watts <pwwatt32@aacounty.org> wrote:
Looks ok to me. When will the installation be completed?

David Watts

Utility Administrator Bureau of Utility Operations, Anne Arundel County, DPW

Phone (410) 222-8451

Cell (443) 336-8099

On Wed, Jul 10, 2019 at 8:08 AM Charles Bostek <pwbst22@aacounty.org> wrote:
Fyi

----- Forwarded message -----

From: **Charles Bostek** <pwbst22@aacounty.org>
Date: Mon, Jul 1, 2019, 11:53 AM
Subject: Fwd: Drum point-manns road gravity sewer repair proposal and revised sketch
To: <Eric.Schroeder@obg.com>

Eric,

Please take a look at the attached. I think they may have it right now.

Thanks,
Chuck Bostek
Project Manager
Bureau of Engineering
410-224-1269

----- Forwarded message -----

From: **Ryan Nehus** <rnehus@reliablecontracting.com>
Date: Mon, Jul 1, 2019 at 10:37 AM
Subject: RE: Drum point-manns road gravity sewer repair proposal and revised sketch
To: Charles Bostek <pwbst22@aacounty.org>
Cc: David Watts <pwwatt32@aacounty.org>, Thomasson, Richard <Richard.Thomasson@arcadis.com>

Chuck,

Please see attached for the new revised with a less than 2' drop. Please let me know if this is good to go and if we can start getting everything together.

Thanks,

Ryan Nehus

Project Manager

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

C 410-202-1212

P 410-987-0313

F 410-721-7700

www.reliablecontracting.com

From: Charles Bostek [<mailto:pwbost22@aacounty.org>]

Sent: Thursday, June 27, 2019 1:40 PM

To: Ryan Nehus <rnehus@reliablecontracting.com>

Cc: David Watts <pwwatt32@aacounty.org>; Thomasson, Richard <Richard.Thomasson@arcadis.com>

Subject: Re: Drum point-manns road gravity sewer repair proposal and revised sketch

Ryan,

The minimum distance for a drop is 2-feet. It needs to be less than 2', if you don't want to install a drop connection.

Chuck Bostek

Project Manager

Bureau of Engineering

410-224-1269

On Thu, Jun 27, 2019 at 1:33 PM Ryan Nehus <rnehus@reliablecontracting.com> wrote:

Chuck,

What is the minimum?

We will get it to the minimum so that we don't have to move back or change the manhole and it will still have the clearance in the middle.

Thanks,

Ryan Nehus

Project Manager

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

C 410-202-1212

P 410-987-0313

F 410-721-7700

www.reliablecontracting.com

From: Charles Bostek [<mailto:pwbst22@aacounty.org>]

Sent: Wednesday, June 26, 2019 12:47 PM

To: Ryan Nehus <rnehus@reliablecontracting.com>

Cc: David Watts <pwwatt32@aacounty.org>; Thomasson, Richard <Richard.Thomasson@arcadis.com>

Subject: Fwd: Drum point-manns road gravity sewer repair proposal and revised sketch

Ryan,

Please see below. Probably need to move it back some.

Thanks,

Chuck

----- Forwarded message -----

From: Eric Schroeder <Eric.Schroeder@ramboll.com>

Date: Wed, Jun 26, 2019, 12:34 PM

Subject: RE: Drum point-manns road gravity sewer repair proposal and revised sketch

To: Charles Bostek <pwbst22@aacounty.org>, Eric.Schroeder@obg.com <Eric.Schroeder@obg.com>, David Watts <pwwatt32@aacounty.org>, Thomasson, Richard <Richard.Thomasson@arcadis.com>

Chuck,

Since the proposed new MH at station 0+14 now has a drop of just over 2 feet, it should be a Type "A" Drop Manhole, Standard Detail S-13. Otherwise looks good to me.

Eric J. Schroeder, PE

Project Manager

D 443-541-1311

M 202-431-5015

eric.schroeder@ramboll.com

From: Charles Bostek [<mailto:pwbst22@aacounty.org>]

Sent: Wednesday, June 26, 2019 8:37 AM

To: Eric.Schroeder@obg.com; David Watts <pwwatt32@aacounty.org>; Thomasson, Richard <Richard.Thomasson@arcadis.com>

Subject: Fwd: Drum point-manns road gravity sewer repair proposal and revised sketch

Eric/Dave,

Please see attached sketch with revised elevations that result in additional clearance between the FM and new gravity and let me know what you think.

Richard, can you check their proposal? I noticed they have \$14.5K for the new MH at Owings Beach.

Dave, any idea what the cost of the County's response might be?

Thanks,

Chuck Bostek

Project Manager

Bureau of Engineering

410-224-1269

----- Forwarded message -----

From: Ryan Nehus <rnehus@reliablecontracting.com>

Date: Fri, Jun 21, 2019 at 10:20 AM

Subject: Drum point-manns road gravity sewer repair proposal and revised sketch

To: Charles Bostek <cbostek@aacounty.org>

Cc: Thomasson, Richard <Richard.Thomasson@arcadis.com>

Chuck,

Per our phone call here is the revised sketch and the proposal.

Please let me know if you have any questions.

We are planning to have two crews down at owings beach to finish this job out and then hop over to do the repairs for drum point if all is accepted.

Thank you,

Ryan Nehus

Project Manager

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

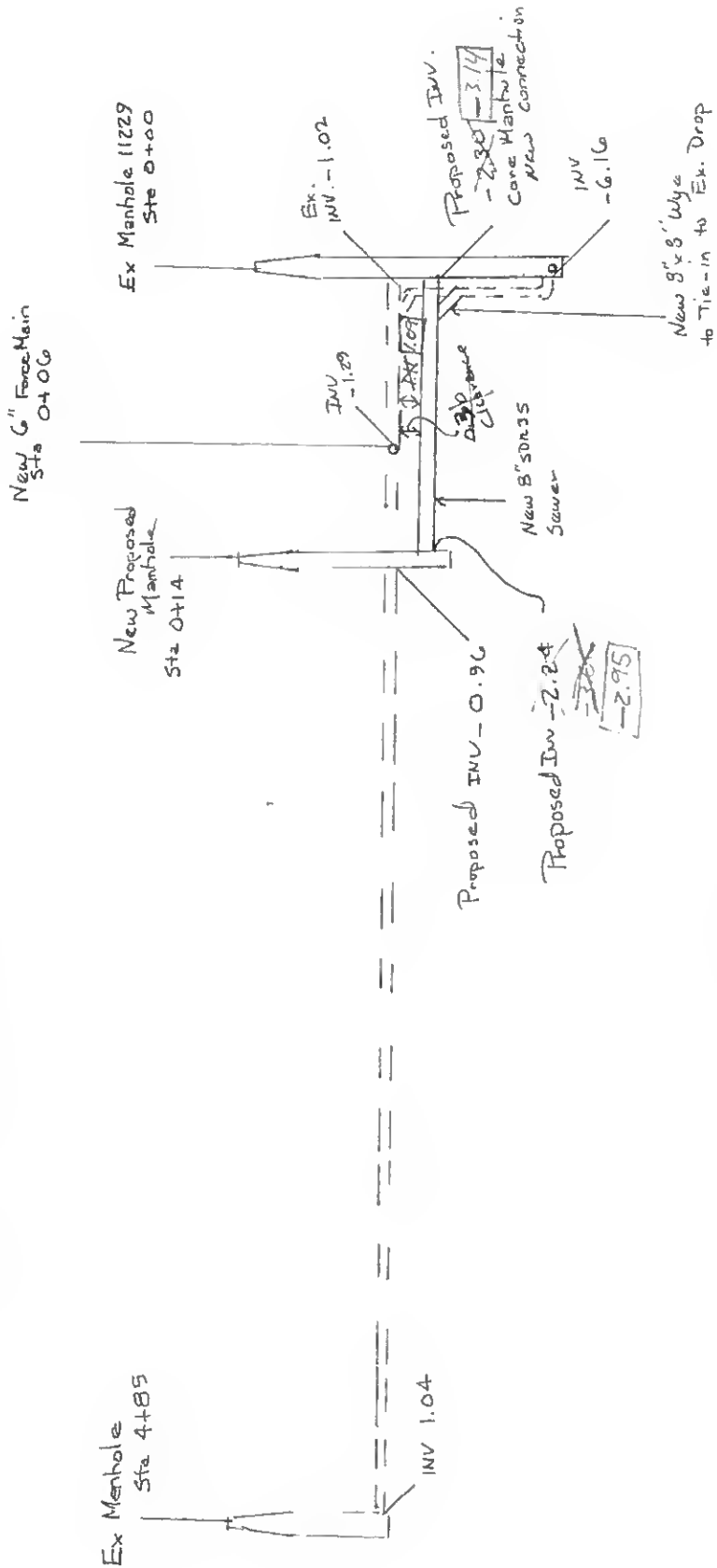
C 410-202-1212

P 410-987-0313

F 410-721-7700

www.reliablecontracting.com

Sewer Profile Mann Rd



Not to Scale.



Charles Bostek <pwbst22@aacounty.org>

Re: drum point sewer line repair

1 message

Charles Bostek <pwbst22@aacounty.org>

Tue, Apr 30, 2019 at 3:14 PM

To: Ryan Nehus <rnehus@reliablecontracting.com>

Cc: Mike Sturdevant <Msturdevant@reliablecontracting.com>, "Talerico, Paul" <Paul.Talerico@arcadis.com>, "Thomasson, Richard" <Richard.Thomasson@arcadis.com>

Ryan,

Without having everything in front of me it is hard to say for sure. Obviously the first option would have been to adjust the alignment of the new FM, maybe move it to the other side of the MH. I do not believe the answer would have been to install a new drop manhole like we have to do now.

Speaking of which, where are we at on getting the new MH? I think you should probably submit an RFI before you order anything.

Thanks,
Chuck Bostek
Project Manager
Bureau of Engineering
410-224-1269

On Tue, Apr 30, 2019 at 2:58 PM Ryan Nehus <rnehus@reliablecontracting.com> wrote:

Hey Chuck,

I was talking to Mike Sturdevant earlier and reviewing the asbuilts. The directional drilling was done correctly per the rfi plans. So with the gravity sewer line being in the way no matter what, catching it before we directional drilled or like it is after the fact and realizing it was a conflict, what would have been the solution to mitigate the conflict?

Thanks,

Ryan Nehus

Project Manager

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

*C 410-202-1212**P 410-987-0313**F 410-721-7700*www.reliablecontracting.com



Charles Bostek <pwbst22@aacounty.org>

Drum Point Temp. Repair MH 11229

1 message

Charles Bostek <pwbst22@aacounty.org>

Thu, Apr 25, 2019 at 2:22 PM

To: Larry Dring <pwdrin27@aacounty.org>, Larry Parsons <pwpars22@aacounty.org>

Cc: David Watts <pw Watt32@aacounty.org>

Larry and Larry,

Reliable performed a temporary repair this morning at MH 11229. It includes 2 fernco reducers and a piece of 4" PVC to allow flow into the MH from Mann Road. Reliable is going to be checking the upstream MH (# 11230) twice/day until a permanent repair is completed.

The reducers will make it difficult, if not impossible, to jet should the segment backup.

Thanks,
Chuck Bostek
Project Manager
Bureau of Engineering
410-224-1269



MVIMG_20190425_113202.jpg
7996K



Charles Bostek <pwbost22@aacounty.org>

Drum Point Temporary Repair Monitoring

1 message

Charles Bostek <pwbost22@aacounty.org>

Thu, Apr 25, 2019 at 2:05 PM

To: Ryan Nehus <rnehus@reliablecontracting.com>, Mike Betts <mbetts@reliablecontracting.com>

Cc: "Thomasson, Richard" <Richard.Thomasson@arcadis.com>, "Talerico, Paul" <Paul.Talerico@arcadis.com>, Mike Sturdevant <Msturdevant@reliablecontracting.com>

Mike/Ryan,

We are expecting Reliable to monitor the temporary repair until a permanent repair is completed.

Someone from Reliable needs to check the upstream manhole at least twice every day for any standing water. If, for some reason, they cannot make it, they need to let Paul and myself know.

Also, please keep me informed on the progress towards a permanent solution.

Thanks,
Chuck Bostek
Project Manager
Bureau of Engineering
410-224-1269



Charles Bostek <pwbost22@aacounty.org>

Drum Point FM

1 message

Charles Bostek <pwbost22@aacounty.org>

Thu, Apr 25, 2019 at 10:33 AM

To: Richard Parks <pwpark50@aacounty.org>, Larry Dring <pwdrin27@aacounty.org>, David Watts <pwwatt32@aacounty.org>, Christopher Murphy <pwmurp21@aacounty.org>

FYI. We are going to try a temporary repair with reducers. Permanent repair is probably going to involve lowering the gravity and a dog house MH.



IMG_20190425_102926.jpg
4467K



Charles Bostek <pwbst22@aacounty.org>

Re: Sink hole - Manns Rd - Drum Point Rd.

1 message

Charles Bostek <pwbst22@aacounty.org>
To: Ryan Nehus <rnehus@reliablecontracting.com>

Thu, Mar 21, 2019 at 8:06 AM

Thank you

On Thu, Mar 21, 2019, 8:01 AM Ryan Nehus <rnehus@reliablecontracting.com> wrote:

Chuck,

David smoot is out there right now, it was the test pit that was right in the center of manns road. If you look back at the patching pictures it was #18 but they're are getting some new cold patch to go and fix that one up. I'll send pictures once it is complete.

Thanks,

Ryan Nehus*Project Manager*

Reliable Contracting Co Inc.

2410 Evergreen Road, Suite 200

Gambrills, MD 21054

*C 410-202-1212**P 410-987-0313**F 410-721-7700*www.reliablecontracting.com

From: Charles Bostek [mailto:pwbst22@aacounty.org]
Sent: Thursday, March 21, 2019 1:07 AM
To: Ryan Nehus <rnehus@reliablecontracting.com>; Talerico, Paul <Paul.Talerico@arcadis.com>
Cc: Tina Cowan <pwcow16@aacounty.org>
Subject: Fwd: Sink hole - Manns Rd - Drum Point Rd.

Ryan/Paul,

Would one of you please look into the below and let me know the status.

Thanks,

Chuck

----- Forwarded message -----

From: **Tina Cowan** <pwcow16@aacounty.org>

Date: Wed, Mar 20, 2019, 5:51 PM

Subject: Sink hole - Manns Rd - Drum Point Rd.

To: Charles Bostek <pwbst22@aacounty.org>

Hey there Chuck,

Has anyone mentioned the sink hole? I tried to send you a picture, but for some reason I can't.

Thanks,

Tina